U.S. Army Corps of Engineers
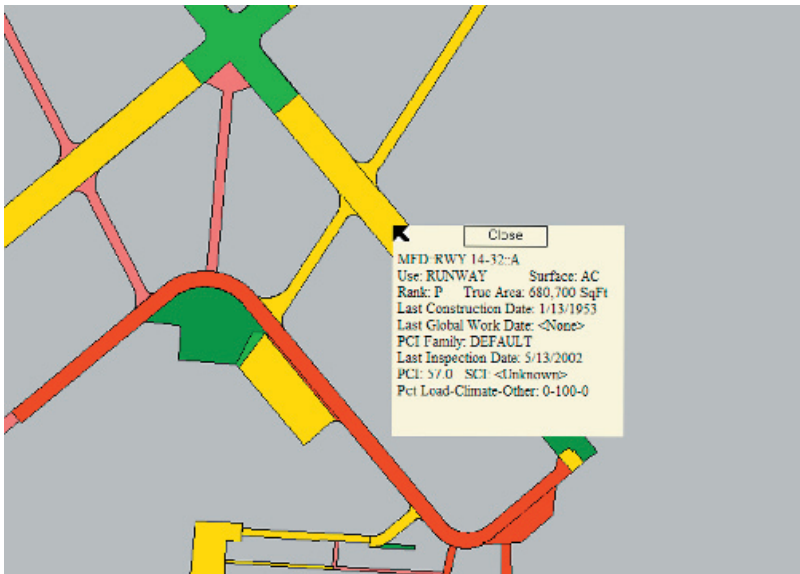## Engineer Research & Development Center

MICRO PAVER 5.3
New Functions

PAVER 5.3 serves as a migration tool between PAVER 5.0-5.2 and PAVER 6.0. PAVER 5.3 and 6.0 are able to coexist on the same computer and share the same database. Micro PAVER 6.0 is to be released late fall 06'.

GIS CAPABILITIES

Within the GIS view of PAVER, a right click of the mouse shows section attributes:


```
                            Close
MFD RWY 14-32-A
Use: RUNWAY         Surface: AC
Rank: P     True Area: 680,700 SqFt
Last Construction Date: 1/13/1953
Last Global Work Date: <None>
PCI Family: DEFAULT
Last Inspection Date: 5/13/2002
PCI: 57.0   SCI: <Unknown>
Pct Load-Climate-Other: 0-100-0
```

ABILITY TO REPORT PERCENT DEDUCT

Extrapolated distress data for each distress index is now stored. User-defined reports can now include percent deduct due to load, climate, and other.

EFFICIENT COMBINATION OF DATABASES

Each distress entry has a unique ID, allowing for the efficient combination of databases with the same network, branch, section, inspection date, and/ or sample, without the concern for possible distress duplication.
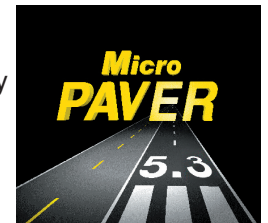
AREA ENTRY

An option has been added for the direct entry of a section's true area.

CONTACT INFORMATION: PAVER Team
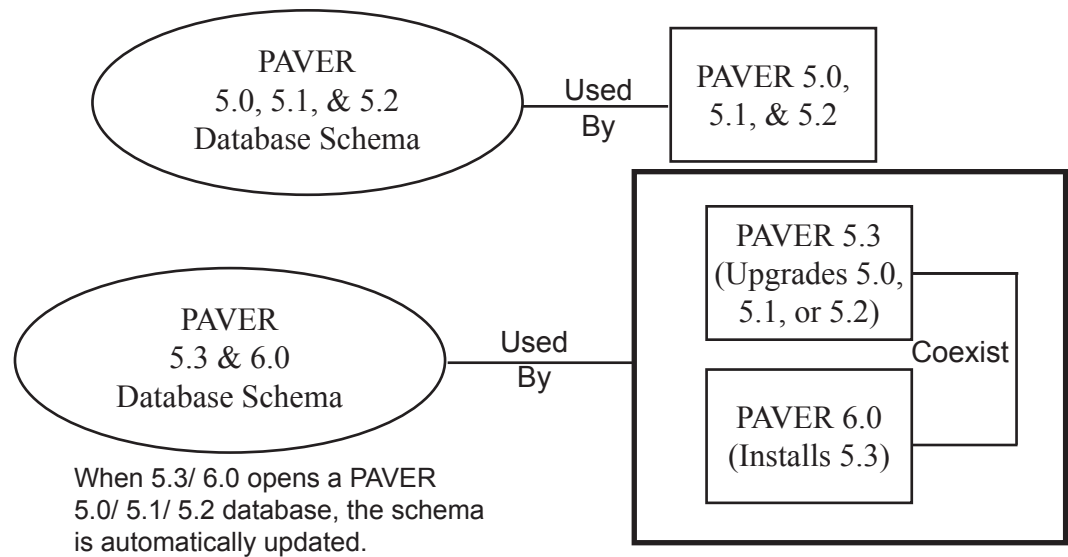
Dr. M.Y. Shahin   3932 John F. Kennedy Parkway
970-377-9474 (Phone)   Suite 10F
970-223-3371 (Fax)   Fort Collins, CO 80525
m-shahin@cecer.army.mil

Micro **PAVER** 5.3

DATABASE SCHEMA

PAVER 5.3 and 6.0 are able to coexist on the same computer and share the same database schema.

```
  ┌──────────────────────┐                    ┌──────────────┐
  │        PAVER         │      Used          │  PAVER 5.0,  │
  │   5.0, 5.1, & 5.2    │──────By────────────│  5.1, & 5.2  │
  │   Database Schema    │                    └──────────────┘
  └──────────────────────┘
                                              ┌──────────────────┐
                                              │    PAVER 5.3     │
                                              │ (Upgrades 5.0,   │
  ┌──────────────────────┐                    │  5.1, or 5.2)    │
  │        PAVER         │      Used          │            Coexist│
  │      5.3 & 6.0       │──────By────────────│                  │
  │   Database Schema    │                    │    PAVER 6.0     │
  └──────────────────────┘                    │  (Installs 5.3)  │
                                              └──────────────────┘
```

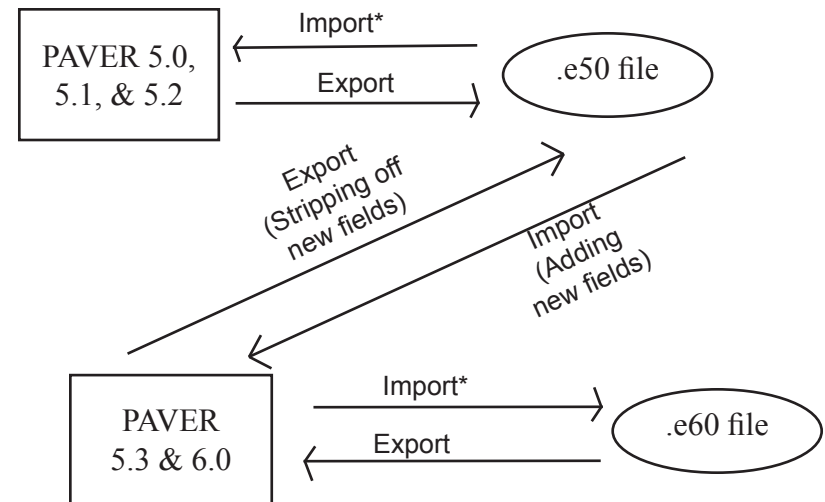When 5.3/ 6.0 opens a PAVER 5.0/ 5.1/ 5.2 database, the schema is automatically updated.

IMPROVED IMPORT/ EXPORT DATABASE TOOLS

PAVER 5.3 now exports the GIS shapefile along with the Access database.

A user-defined subset of the system tables can be selected for export.

PAVER 5.3 can import an .e40, .e50, or .e60 file, adding new fields and calculating their values.

PAVER 5.3 can export to an .e50, and .e60 files. New fields are removed if the export is to an .e50.

```
  ┌──────────────┐        Import*
  │  PAVER 5.0,  │ ◄──────────────────        ( .e50 file )
  │  5.1, & 5.2  │        Export
  └──────────────┘ ──────────────────►

         Export                    Import
      (Stripping off             (Adding
       new fields)              new fields)

  ┌──────────────┐        Import*
  │    PAVER     │ ──────────────────►        ( .e60 file )
  │   5.3 & 6.0  │        Export
  └──────────────┘ ◄──────────────────
```

* Able to import an .e40 file

BUG FIXES BEYOND 5.2.5
- Dust distress for gravel surfaces
- More accurate English/ Metric conversion of linear distresses
- PCI video import